

# SurgiVet® V3402 Hand-Held Pulse Oximeter



**The SurgiVet® V3402** Hand-Held Pulse Oximeter puts pulse oximetry technology in the palm of your hand. Designed to provide fast, reliable SpO<sub>2</sub> and pulse rate measurements, the V3402 is ideally suited for use in veterinary facilities.

For more information, visit [www.surgivet.com](http://www.surgivet.com).

VETERINARY

SurgiVet™



## SurgiVet® V3402 Hand-Held Pulse Oximeter

- Reliably measure SpO<sub>2</sub> and pulse rate.
- Serial Autocorrelation (SAC) technology informs operator of excess artifacts and improper sensor positioning.
- Lightweight and battery-powered for easy transport.
- 99 patient data storage memory.
- Easy-to-use, 5 key operation.
- Visual and audible alarm signals.
- Protective boot.

### Technical Specifications

#### DISPLAYS, INDICATORS AND KEYS

- **SpO<sub>2</sub>**  
LED numeric display  
0.3 inch (7.6 mm) high
- **Pulse Rate**  
LED numeric display  
0.3 inch (7.6 mm) high
- **Pulse Strength**  
Logarithmically scaled 8-segment  
LED bar graph
- **Low Battery**  
LED lights when approximately  
30 minutes of battery life remains
- **Alarm Audio Disabled**  
LED lights to indicate temporary or  
indefinite silence status
- **Sensor**  
LED lights to indicate an oximeter  
sensor problem
- **Artifact**  
LED lights to indicate the presence of  
excess motion or other artifact
- **Power**  
Green LED indicates monitor is  
connected to AC power
- **Keys**  
On/Off  
Alarm Select  
Alarm Silence  
Print/Clear  
Up Arrow, Down Arrow-alarm limit  
and audio volume adjustment

#### SpO<sub>2</sub>

- **Range**  
0 to 99% SpO<sub>2</sub> (functional, 1% increments)
- **Accuracy**  
±2% at 70 to 99%; ±3% at 50 to 69%
- **Averaging**  
4, 8, or 16 pulse beat average
- **Alarm Range**  
High: 50 to 99% and OFF (1% steps)  
Low: 50 to 99% and OFF (1% steps)

#### PULSE RATE

- **Range**  
20-350 bpm
- **Accuracy**  
±1 beat or 2%  
(whichever is greater)
- **Alarm Range**  
High: 5-350 bpm and OFF (5 bpm steps)  
Low: 5-350 bpm and OFF (5 bpm steps)
- **Averaging**  
8 or 16 second average

#### BATTERY STORAGE

- **Parameters**  
SpO<sub>2</sub>, pulse rate, relative time
- **Interval**  
4 seconds to 30 seconds
- **Capacity**  
90 hours of storage at 30 sec interval

#### POWER REQUIREMENTS

- **AC Power** (optional)  
105 to 125 V, 60 Hz, or  
208 to 252 V, 50/60 Hz, or  
90 to 110 V, 60 Hz, provides external  
12 VDC power supply
- **Battery**  
(6) "AA" alkaline batteries

#### BATTERY LIFE

24 hours of continuous use  
(with no printing)

#### PRINTER OUTPUT

- **RS232C**  
Infrared link MCP8850B  
or similar infrared printer

#### DIMENSIONS

6.6" H x 2.75" W x 1.43" D  
(16.8 cm H x 7.0 cm W x 3.6 cm D)

#### WEIGHT

21 oz. (595 grams) with batteries  
and optional boot

#### ENVIRONMENTAL

- **Operating Temperature**  
32°F to 131°F (0°C to 55°C)
- **Storage Temperature**  
-40°F to 167°F (-40°C to 75°C)
- **Relative Humidity** (non-condensing)  
15-95% (operating)  
10-95% (storage)

#### MECHANICAL DURABILITY TEST RESULTS

- **Vibration Testing**  
In compliance with IEC 68-2-34,  
IEC 68-2-6, and MIL-STD-810E  
method 514.4
- **Shock Testing**  
In compliance with IEC 68-2-27,
- **Drop Testing**  
IEC 601-1, section 21.5

#### STANDARDS

UL544, certified by TUV to IEC 601-1  
CSA 125, EN865, CE to the MDD  
version available

#### CATALOG NUMBER

- **V3402**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Please read the Instructions for Use supplied with the product  
for detailed instructions, warnings and cautions.

#### Smiths Medical North America

N7W22025 Johnson Drive, Waukesha, Wisconsin 53186 USA  
Phone: 262-513-8500 Fax: 262-542-0718 Toll-Free USA: 888-745-6562  
www.surgivet.com

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